

Converting Colors

XYZ(33.7987, 24.9354, 58.5684)

Have a look what the booklet for
XYZ(33.7987, 24.9354, 58.5684)
contains.

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Color

**XYZ(33.6813, 24.9115,
58.2915)**

Conversions

Conversions Part 1

Format	Color
Hex	AD71C9
RGB	173, 113, 201
RGB Percent	68%, 44%, 79%
CMY	0.3216, 0.5568, 0.2118
CMYK	0.14, 0.44, 0.00, 0.21
HSL	281°, 45%, 62%
HSV	281°, 44%, 79%
XYZ	33.6813, 24.9115, 58.2915
YIQ	140.9720, 7.5120, 40.0880

Conversions

Conversions Part 2

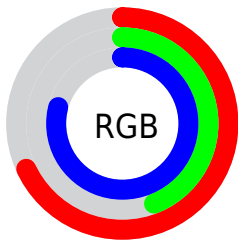
Format	Color
R _Y B	173, 113, 201
Decimal	11366857
CIE Lab	56.99, 39.22, -36.55
CIE LCh	57, 53.610, 317.012
Yxy	24.9115, 0.2882, 0.2131
Android (android.graphics.Color)	4289556937 (0xFFAD71C9)
YUV	140.9720, 29.5938, 28.0886
Hunter-Lab	49.9114, 33.1106, -34.3067

Details

The XYZ color **33.6813, 24.9115, 58.2915** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **34.8525, 48.6288, 23.1732**, and the grayscale version is **25.1929, 26.5049, 28.8638**.

A 20% lighter version of the original color is **64.3193, 51.3154, 101.1226**, and **14.6517, 9.5835, 28.6813** is the 20% darker color. If you saturate the color by 10%, you get **30.3019, 20.2015, 57.5609**, and if you desaturate by 10%, it is **37.6267, 30.6516, 59.1919**.

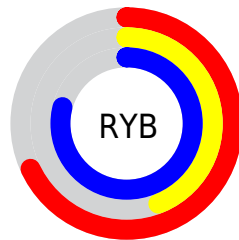
Distribution



Red (68%)

Green (44%)

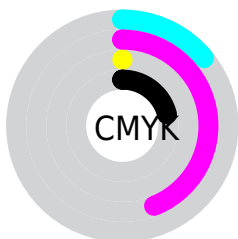
Blue (79%)



Red (68%)

Yellow (44%)

Blue (79%)

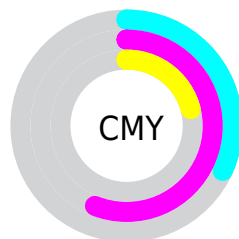


Cyan (14%)

Magenta (44%)

Yellow (0%)

Black (21%)



Cyan (32%)

Magenta (56%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6813, 24.9115, 58.2915 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 33.6813, 24.9115, 58.2915 by changing the saturation by 10% instead.

33.6813, 24.9115,
58.2915

33.6813, 24.9115,
58.2915

310.3196,
277.3969, 435.8998

22.8106, 16.0111,
41.6268

64.7853, 51.5136,
103.8662

14.5736, 9.5320,
28.4858

85.7494, 69.9842,
133.6133

8.6051, 5.0898,
18.4499

110.8086, 92.4135,
168.5582

4.5395, 2.3000,
11.1007

140.3284,
119.1862, 209.1195

2.0117, 0.7737,
6.0196

174.6740,
150.6864, 255.7158

0.6405, 0.0000,
2.7880

214.2108,

0.0000, 0.0000,

187.2987, 308.7656

0.9874

259.3042,
229.4074, 368.6874

■ 0.0000, 0.0000,
0.0000

■ 33.6813, 24.9115,
58.2915

■ 33.6813, 24.9115,
58.2915

■ 30.3019, 20.2015,
57.5609

■ 37.6267, 30.6516,
59.1919

■ 27.4518, 16.4517,
56.9873

■ 42.1666, 37.4794,
60.2705

■ 25.0937, 13.5883,
56.5589

■ 47.3304, 45.4518,
61.5372

■ 23.1837, 11.5249,
56.2613

■ 53.1448, 54.6209,
63.0006

■ 21.6691, 10.1573,
56.0772

■ 59.6348, 65.0355,
64.6687

■ 20.8669, 9.5394,
56.0002

■ 66.8241, 76.7415,
66.5493

■ 74.7351, 89.7828,
68.6495

■ 77.0943, 91.6107,
68.8780

■ 79.1159, 92.6529,
68.9726

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



27.3984, 24.9115, 75.6104



33.6813, 24.9115, 58.2915



37.5390, 24.9115, 35.6852

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.6813, 24.9115, 58.2915



26.5036, 24.9115, 5.4273



13.8867, 24.9115, 38.5830

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



33.6813, 24.9115, 58.2915



34.8525, 48.6288, 23.1732

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



13.7331, 24.9115, 20.0555



33.6813, 24.9115, 58.2915



20.3099, 24.9115, 5.6457

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.6813, 24.9115, 58.2915



32.9269, 24.9115, 8.8479



15.8813, 24.9115, 9.6888



16.3462, 24.9115, 61.2048

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.6813, 24.9115, 58.2915



37.8377, 24.9115, 23.1089



15.8813, 24.9115, 9.6888



13.5813, 24.9115, 31.5800

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



33.6822, 24.9125, 58.2921



81.5969, 78.6970, 105.4972



27.0762, 27.1741, 59.0767



17.0180, 16.1472, 22.4697



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.6822, 24.9125, 58.2921



51.8994, 34.6137, 98.5535



38.8916, 27.7880, 49.9548



10.7423, 10.6409, 13.4052



13.2188, 6.0488, 35.2152



0.6987, 0.3239, 1.6708

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



34.8009, 26.1517, 28.4137



54.5360, 37.2959, 38.9051



31.5718, 46.8343, 27.6842



10.7706, 10.6916, 11.7753



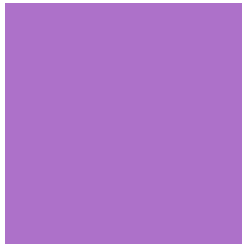
15.7634, 8.0549, 3.9641



0.7796, 0.3947, 0.3627

Previews

White Background



This preview shows how the XYZ color 33.6813, 24.9115, 58.2915 looks on a white background.

Color Contrast Check

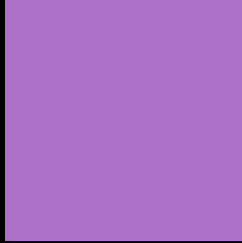
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 33.6813, 24.9115, 58.2915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

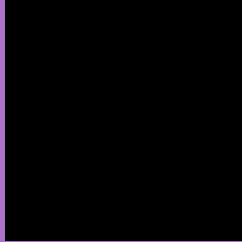
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.6813, 24.9115, 58.2915

Background



This preview shows how black text looks on a background with the XYZ color 33.6813, 24.9115, 58.2915.



This preview shows how white text looks on a background with the XYZ color 33.6813, 24.9115,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

33.6813, 24.9115, 58.2915

Protanopia

27.0202, 25.1077, 70.4400

Deuteranopia

25.8216, 25.2169, 56.3297



Tritanopia

27.2090, 24.7714, 27.0142

Trichromacy



Original Color

33.6813, 24.9115, 58.2915

Protanomaly

28.3978, 24.3423, 65.4892

Deuteranomaly

27.9039, 24.6665, 56.7165

Tritanomaly

29.2410, 24.6726, 36.4788

Monochromacy



Original Color

33.6813, 24.9115, 58.2915

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

27.8640, 25.6492, 38.1325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6813, 24.9115, 58.2915 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(173, 113, 201)` looks like.

```
.text, #text, p{  
    color:rgb(173, 113, 201)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(173, 113, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 113, 201) }
```

Border

The CSS property to change the border of an element to XYZ 33.6813, 24.9115, 58.2915 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(173, 113, 201) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(173, 113, 201) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(173, 113, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 113, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 113, 201);  
box-shadow:4px 4px 4px 4px rgb(173, 113,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6813, 24.9115, 58.2915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 113, 201) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(173,  
113, 201) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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